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[Lineage retrieval for scientific data processing: a survey](#)
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 Rajendra Bose, James Frew
 March 2005 Computing Surveys (CSUR) . Volume 37 Issue 1

Publisher: ACM

Full text available: Pdf (728.75 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

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Scientific research relies as much on the dissemination and exchange of data sets as on publication of conclusions. Accurately tracking the lineage (origin and subsequent process) of scientific data sets is thus imperative for the complete ...

Keyw ords: Data lineage, audit, data provenance, scientific data, scientific workflow

[2 NFSv4 replication for grid storage middleware](#)
[Bibliometrics](#)

 Jaying Zhang, Peter Honeyman
 November 2006 MCG '06: Proceedings of the 4th international workshop on Middleware for

computing

Publisher: ACM

Full text available: Pdf (405.19 KB)

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Sharing data in scientific collaborations that involve many institutions around the world large-scale storage system that is reliable and efficient, yet at the same time, convenient paper presents a replicated file system that ...

Keyw ords: NFSv4, consistency, distributed file system, global name space, grid computing, replication

[3 Communications of the ACM: Volume 51 Issue 10](#)
[Bibliometrics](#)

 October 2008 Communications of the ACM
 Publisher: ACM
Full text available: Digital Edition , Pdf (7.16 MB) Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): 699, Downloads (12 Months): 2183, Citation Count: 0

[4 An intelligent discussion-bot for answering student queries in threaded discussions](#)
[Bibliometrics](#)

 Donghui Feng, Erin Shaw, Jihye Kim, Eduard Hovy
 January 2006 IUI '06: Proceedings of the 11th international conference on Intelligent user

Publisher: ACM

Full text available: Pdf (253.39 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 91, Citation Count: 2

This paper describes a discussion-bot that provides answers to students' discussion board

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an unobtrusive and human-like way. Using information retrieval and natural language processing techniques, the discussion-bot identifies the questioner's ...

Keywords: discussion-bot, natural language processing, online learning environment, discussion

5 Identity Boxing: A New Technique for Consistent Global Identity

Douglas Thain

November 2005 SC '05: Proceedings of the 2005 ACM/IEEE conference on Supercomputing
Publisher: IEEE Computer Society

Full text available:  Pdf (393.19 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 46, Citation Count: 1

Today, users of the grid may easily authenticate themselves to computing resources are using a public key security infrastructure. However, users are forced to employ a patchwork of identities, each assigned by a different local authority. ...

6 Disco: running commodity operating systems on scalable multiprocessors

 Edouard Bugnion, Scott Devine, Kinshuk Govil, Mendel Rosenblum

November 1997 Transactions on Computer Systems (TOCS), Volume 15 Issue 4
Publisher: ACM

Full text available:  Pdf (400.76 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 28, Downloads (12 Months): 251, Citation Count: 26


In this article we examine the problem of extending modern operating systems to run a large-scale shared-memory multiprocessors without a large implementation effort. Our work brings back an idea popular in the 1970s: virtual machine ...

Keywords: scalable multiprocessors, virtual machines

7 Sequencing the SARS virus

Martin Krzywinski, Yaron Butterfield

November 2003 Linux Journal, Volume 2003 Issue 115
Publisher: Specialized Systems Consultants, Inc.

Full text available:  Html (23.76 KB)

Additional Information: [full citation](#), [abstract](#)


Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 7, Citation Count: 0

Linux on PC hardware formed the basis for an infrastructure to handle huge volumes of

8 Tutorial on agent-based modeling and simulation

Charles M. Macal, Michael J. North

December 2005 WSC '05: Proceedings of the 37th conference on Winter simulation
Publisher: Winter Simulation Conference


Full text available:  Pdf (1.35 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 69, Downloads (12 Months): 619, Citation Count: 6

Agent-based modeling and simulation (ABMS) is a new approach to modeling systems of autonomous, interacting agents. ABMS promises to have far-reaching effects on the way businesses use computers to support decision-making and researchers ...

9 Grid middleware services for virtual data discovery, composition, and integration

 Yong Zhao, Michael Wilde, Ian Foster, Jens Voelcker, Thomas Jordan, Elizabeth Quigg, Jar

October 2004 MGC '04: Proceedings of the 2nd workshop on Middleware for grid computing
Publisher: ACM


Full text available:  Pdf (289.58 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 202, Citation Count: 3

We describe the services, architecture and application of the GriPhyN Virtual Data System components and services that allow users to describe virtual data products in declarative terms, discover definitions and assemble workflows based on ...

Keywords: data discovery, data grid, data integration, portal, provenance, virtual data

10 [Entering the education arcade](#)

 [Henry Jenkins](#), [Eric Kiopter](#), [Kurt Squire](#), [Philip Tan](#)

October 2003 [Computers in Entertainment \(CIE \)](#) , Volume 1 Issue 1

Publisher: ACM


Full text available:  Pdf (1.14 MB)Additional Information: [full citation](#), [appendices and supplements](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 188, Citation Count: 4

Responding to social, economic, and technological trends which make games the most popular medium for reaching young learners, The Education Arcade project, based in the MIT Center for Media Studies Program, seeks to prototype games that teach, develop ...

Keywords: augmented reality, computer graphics, education, educational technology, handhelds, simulation, simulations, video games

11 [The Deliberate Revolution](#)

 [Mike Burner](#)

March 2003 [Queue](#) , Volume 1 Issue 1

Publisher: ACM

Full text available:  Html (64.11 KB),  Pdf (326.81 KB) Additional Information: [full citation](#), [abstract](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 183, Downloads (12 Months): 279, Citation Count: 3

While detractors snub XML web services as CORBA with a weight problem, industry cheerleaders claim these services are ushering in a new age of seamless integrated computing. But for those who want to build jobs that don't involve building industry excitement, ...

12 [Proceedings of the 36th SIGCSE technical symposium on Computer science education](#)

 [Wanda Damm](#), [Tom Naps](#), [Paul Tymann](#), [Doug Baldwin](#)

February 2005 [SIGCSE '05: Proceedings of the 36th SIGCSE technical symposium on Computer science education](#)


Publisher: ACM

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 0

Welcome to St. Louis for the 36th year of the SIGCSE Technical Symposium on Computer Science Education. We are excited about SIGCSE 2005 and we hope you have as much fun as we do in planning this event. There is much to see and do with a record ...

13 [Human-computer interface development: concepts and systems for its management](#)

 [H. Rex Hartson](#), [Deborah Hix](#)

March 1989 [Computing Surveys \(CSUR \)](#) , Volume 21 Issue 1

Publisher: ACM

Full text available:  Pdf (7.97 MB)Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 34, Downloads (12 Months): 448, Citation Count: 53

Human-computer interface management, from a computer science viewpoint, focuses on the development of developing quality human-computer interfaces, including their representation, design, implementation, execution, evaluation, and maintenance. This ...

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